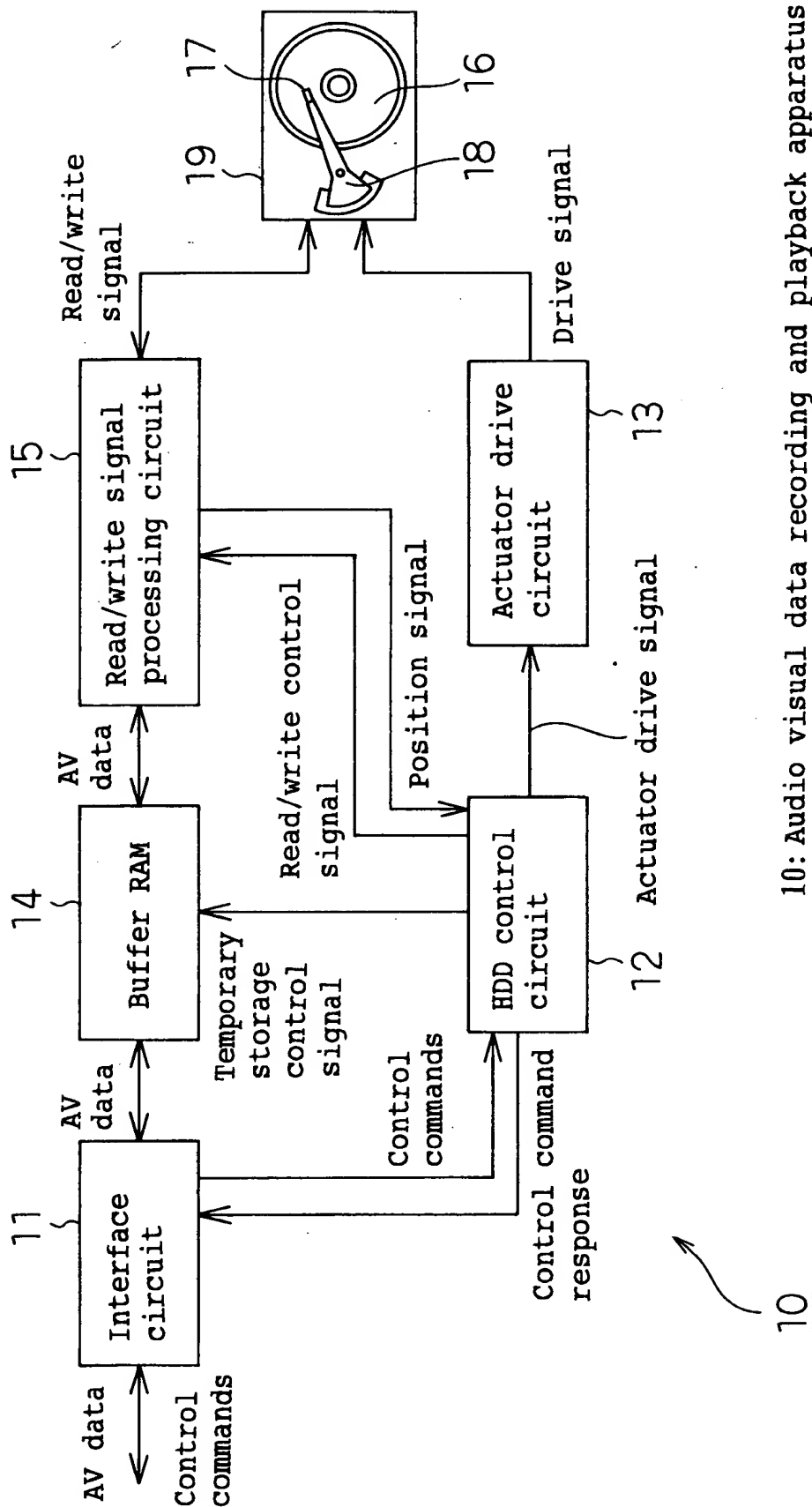
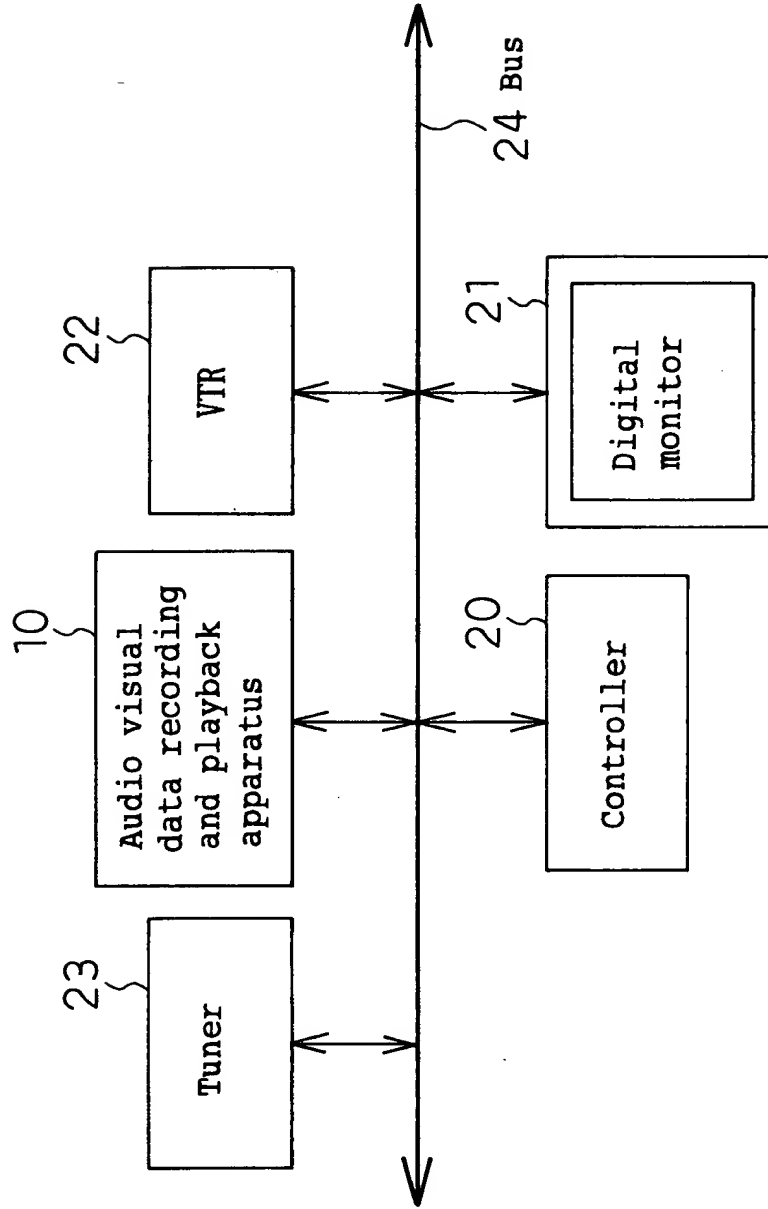


Fig. 1



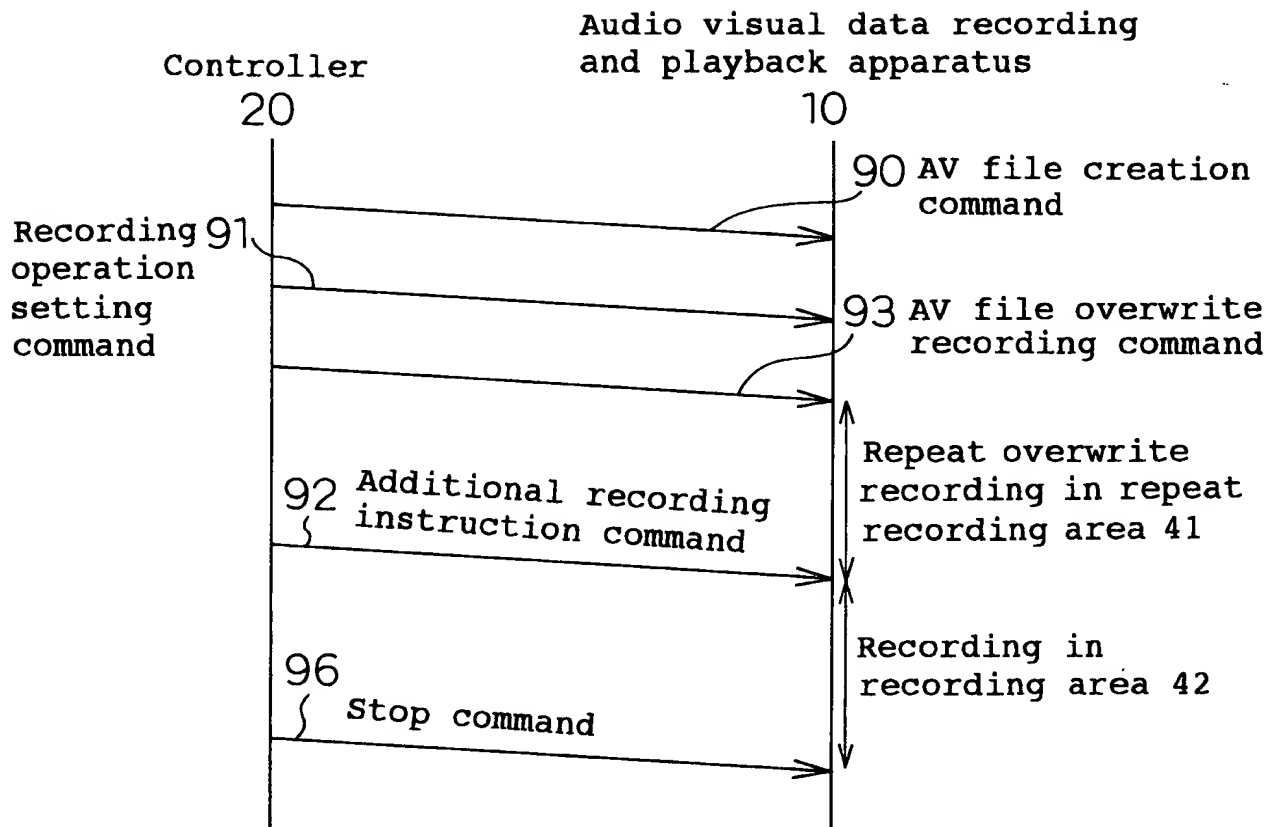
10: Audio visual data recording and playback apparatus

Fig. 2



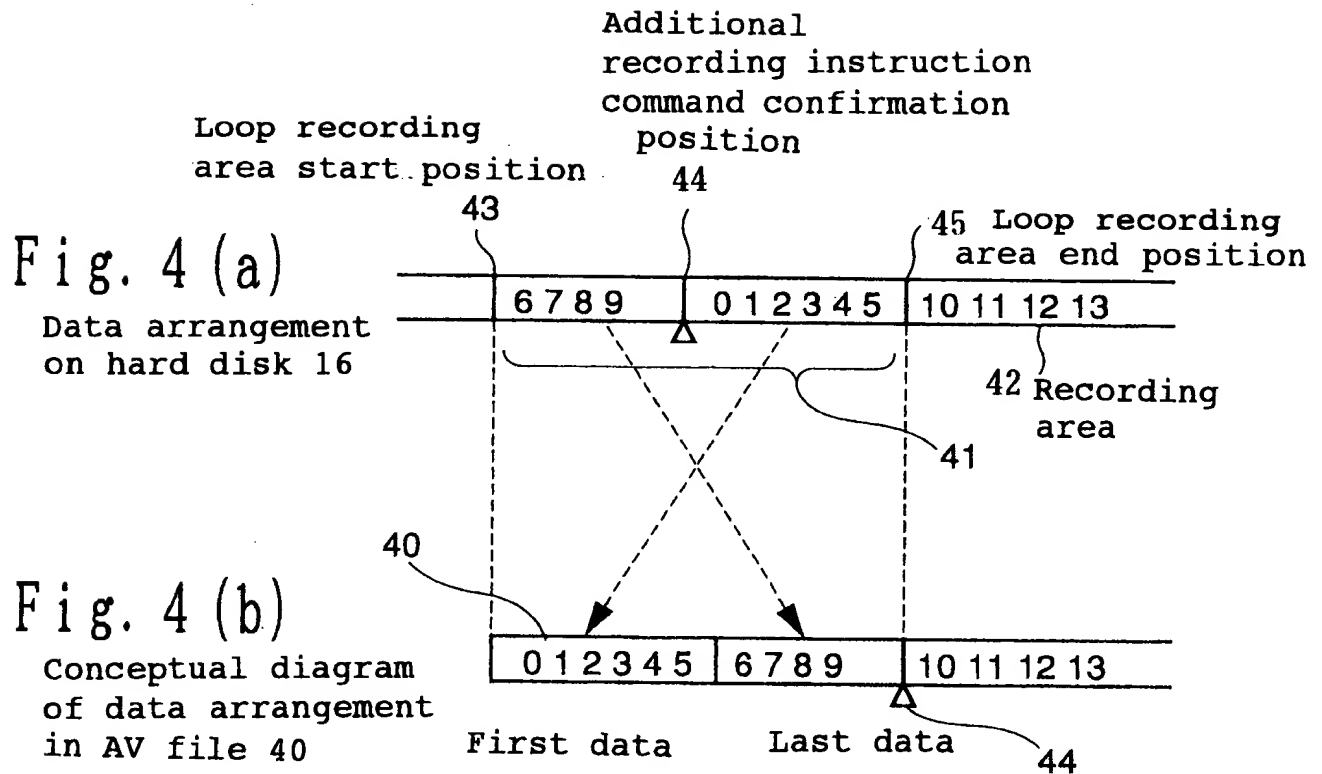
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Fig. 3

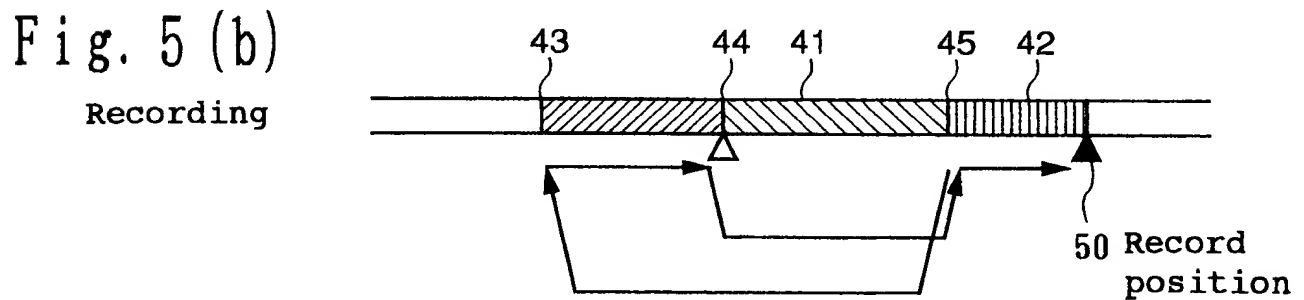
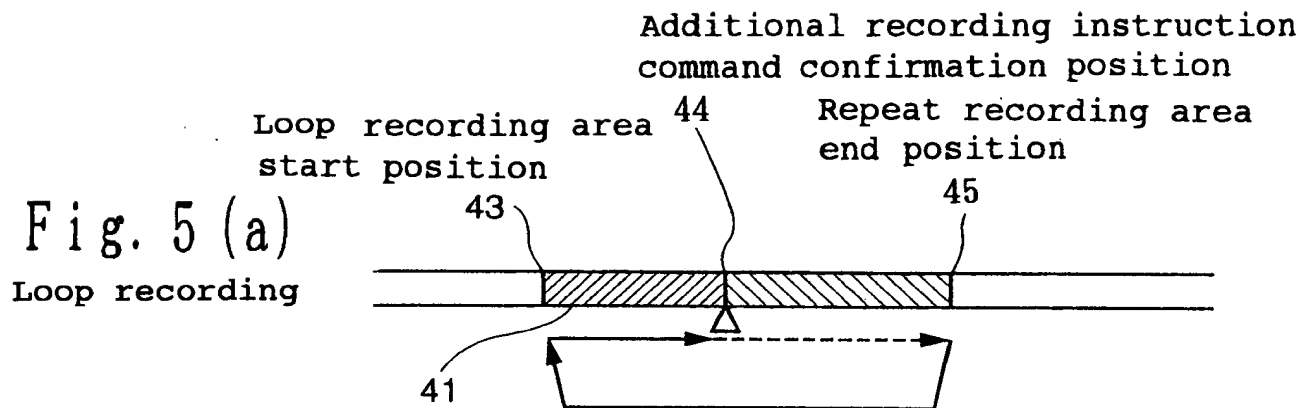


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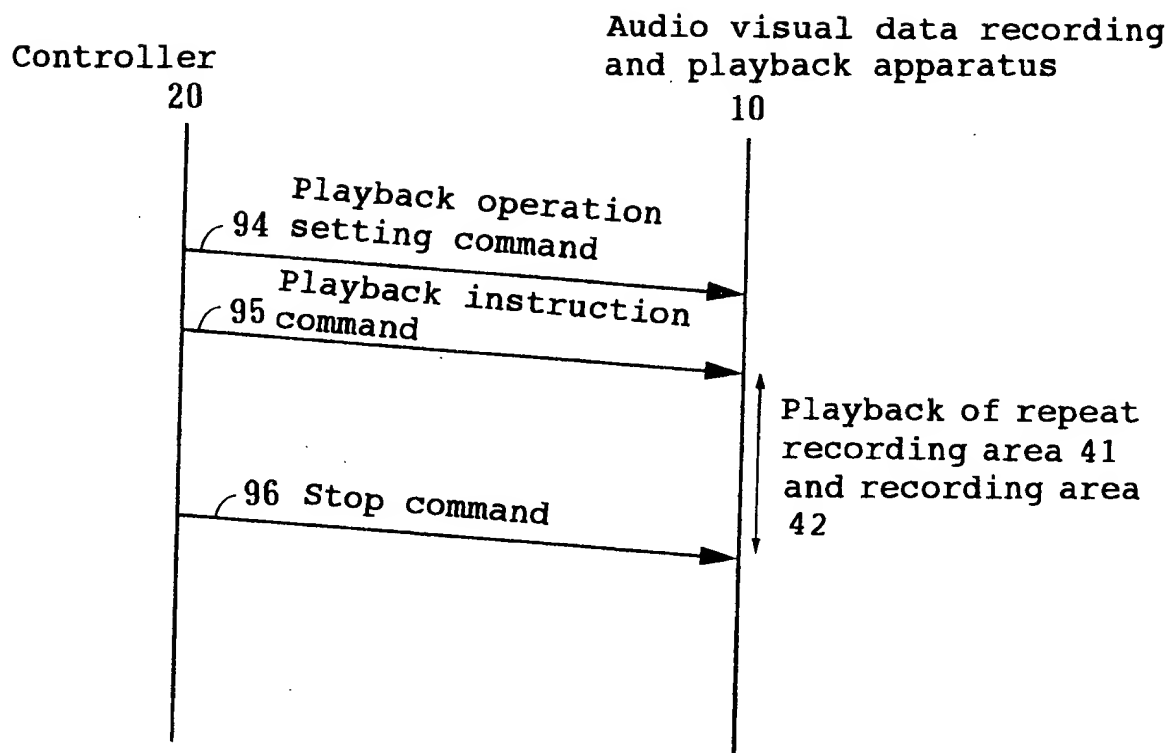


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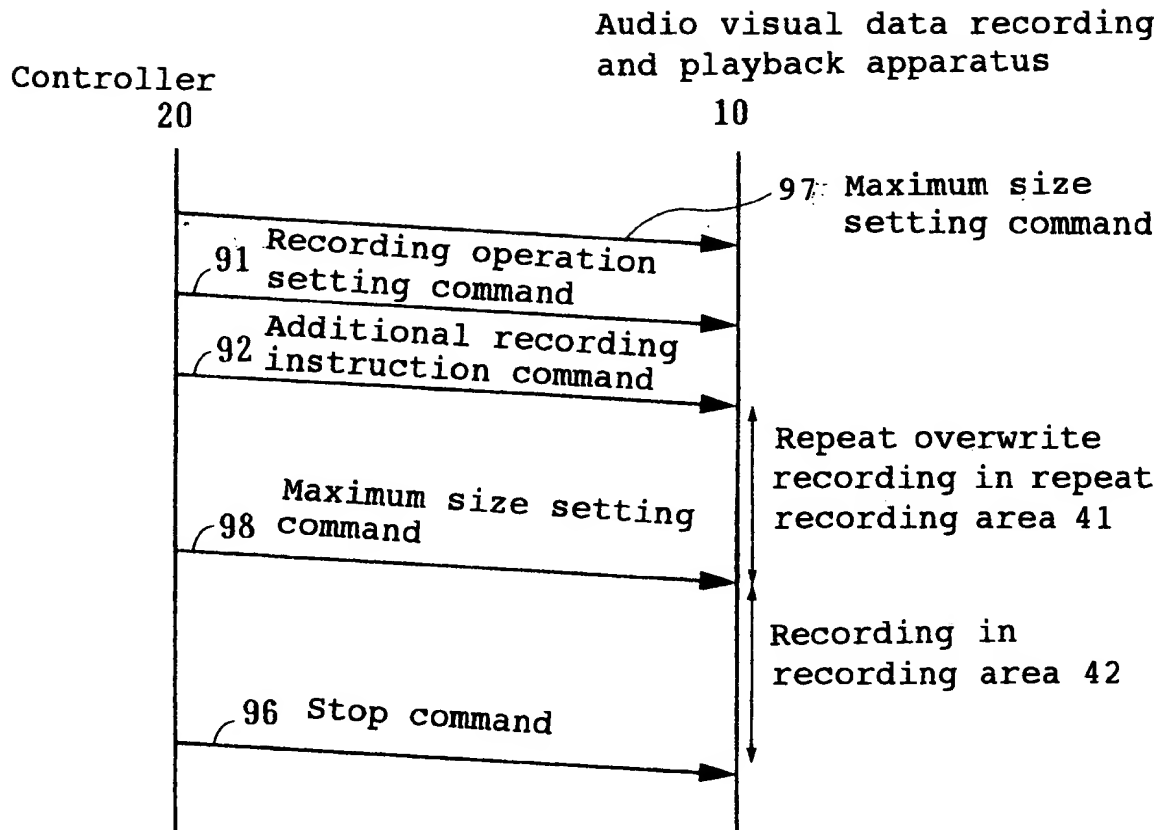
Fig. 6



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Fig. 7



09/624406-0812950

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Fig. 8 (a)

Data arrangement in AV
file 81 when maximum
size has not
been reached

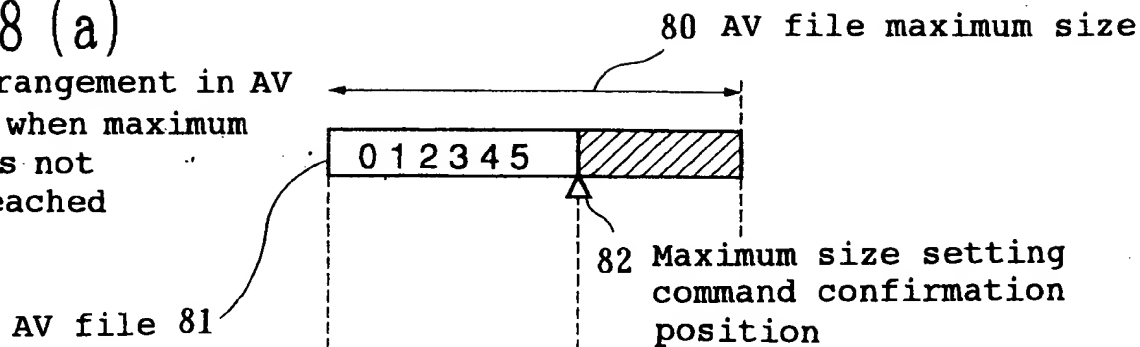
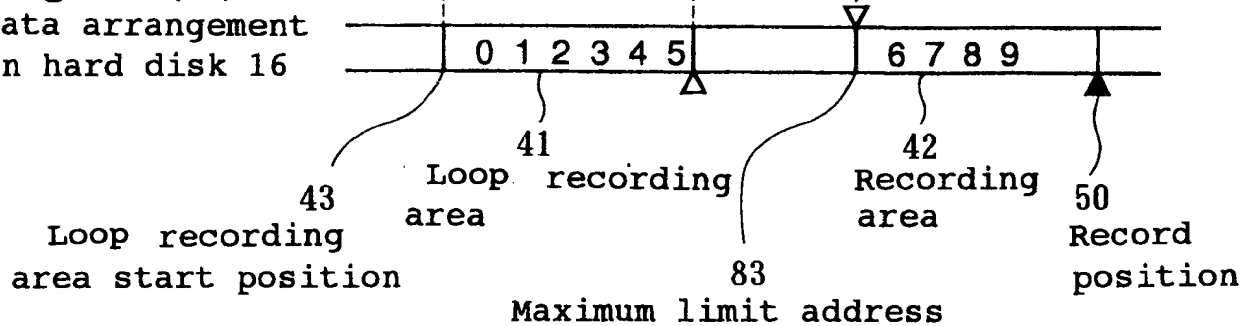


Fig. 8 (b)

Data arrangement
on hard disk 16



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Fig. 9 (a)

AV file creation command 90	
Op code	(10H)
Parameter 1	AV file specification parameter
Parameter 2	AV file size specification parameter

Fig. 9 (b)

Recording operation setting command 91	
Op code	(22H)
Parameter 1	AV file specification parameter
Parameter 2	Recording operation mode

Fig. 9 (c)

Additional recording instruction command 92	
Op code	(31H)
Parameter 1	AV file specification parameter

Fig. 9 (d)

AV file overwrite recording command 93	
Op code	(30H)
Parameter 1	AV file specification parameter

Fig. 9 (e)

Playback operation setting command 94	
Op code	(23H)
Parameter 1	AV file specification parameter
Parameter 2	Playback operation mode

Fig. 9 (f)

Playback instruction command 95	
Op code	(38H)
Parameter 1	AV file specification parameter

Fig. 9 (g)

Stop command 96	
Op code	(3FH)
Parameter 1	(Reserved)

Fig. 10 (a)

Maximum size setting command 97.98	
Op code	(11H)
Parameter 1	AV file specification parameter
Parameter 2	Maximum size specification parameter

Fig. 10 (b)

Recording operation setting command 91	
Op code	(22H)
Parameter 1	AV file specification parameter
Parameter 2	Recording operation mode

Fig. 10 (c)

Additional recording instruction command 92	
Op code	(31H)
Parameter 1	AV file specification parameter

Fig. 11

111 AV file area management table

Field #0	Area start position address	112
Field #1	Area size	113
Field #2	AV file start position address	114
Field #3	AV file start position information	115

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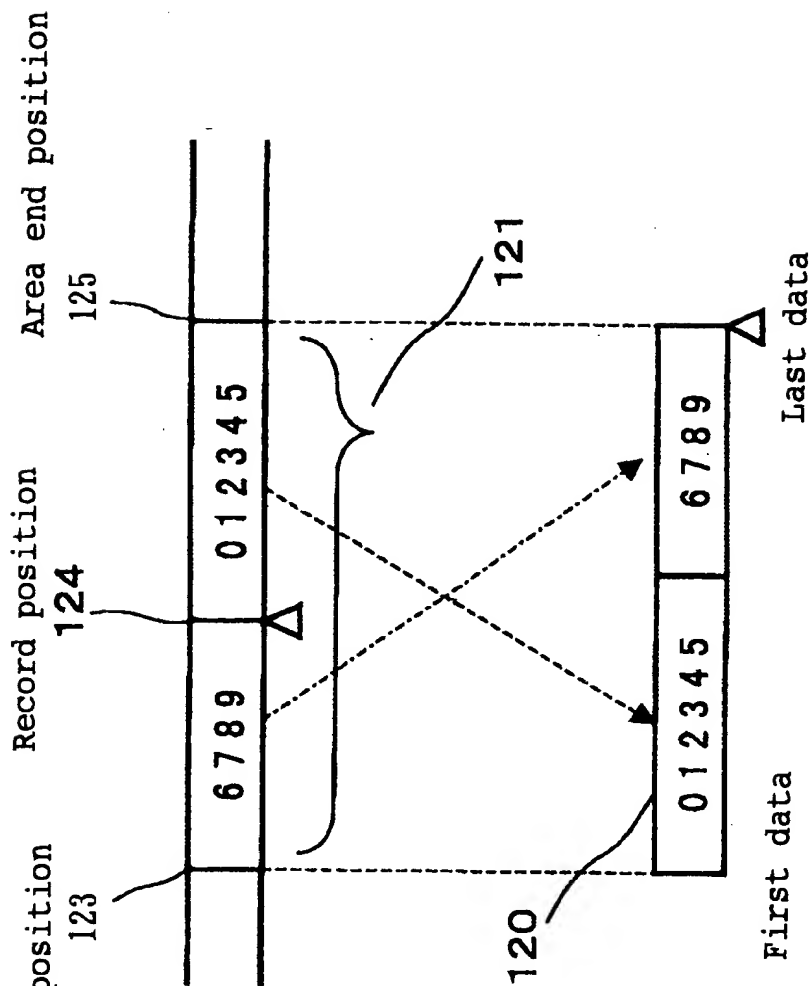


Fig. 12 (a)

Data arrangement
on hard disk 16

Fig. 12 (b)

Conceptual diagram of
data arrangement in
AV file 120

120: AV file

121: Data area

Fig. 13 (a)

Search command 131	
Op code	(10H)
Parameter 1	Virtual plug specification parameter
Parameter 2	Target position information

Fig. 13 (b)

Position information inquiry command 132	
Op code	(11H)
Parameter 1	Virtual plug specification parameter

Fig. 13 (c)

Record command 133	
Op code	(12H)
Parameter 1	Virtual plug specification parameter
Parameter 2	Recording mode specification parameter

Fig. 13 (d)

Playback command 134	
Op code	(13H)
Parameter 1	Virtual plug specification parameter

Fig. 13 (e)

Stop command 135	
Op code	(14H)
Parameter 1	Virtual plug specification parameter

Fig. 14

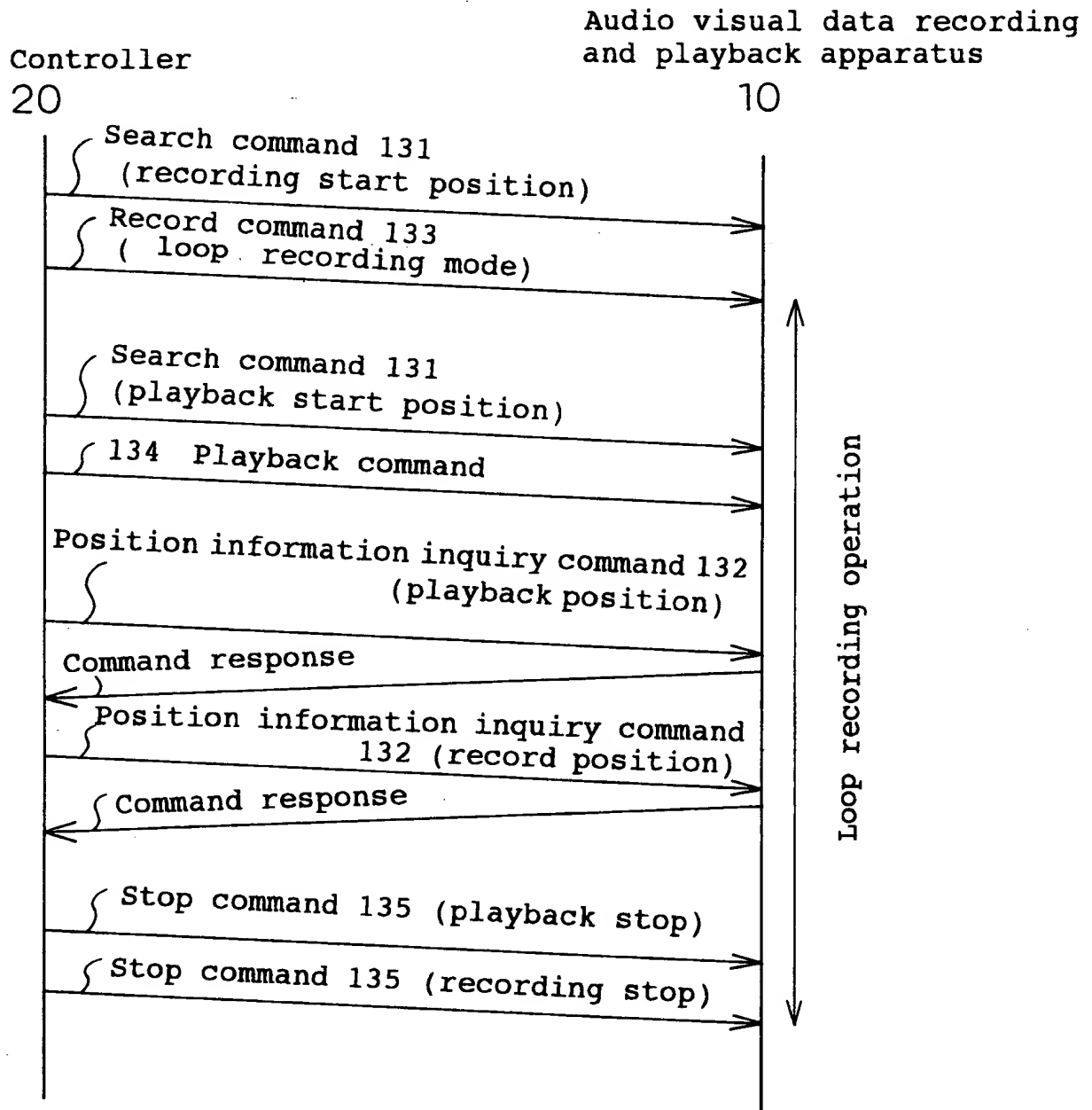


Fig. 15 (a)

Input AV data

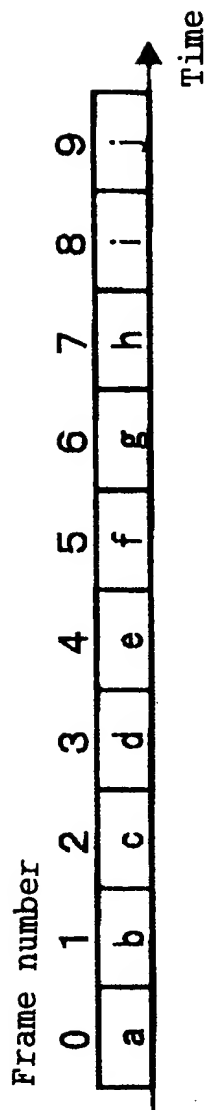


Fig. 15 (b)

AV file
T = 6 frames

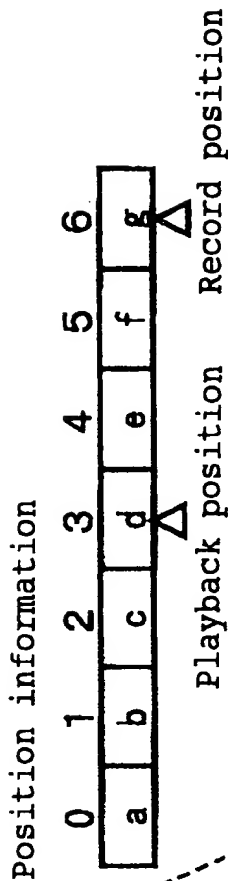


Fig. 15 (c)

AV file
T = 7 frames

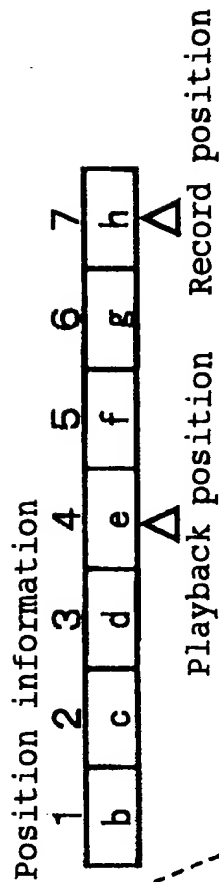
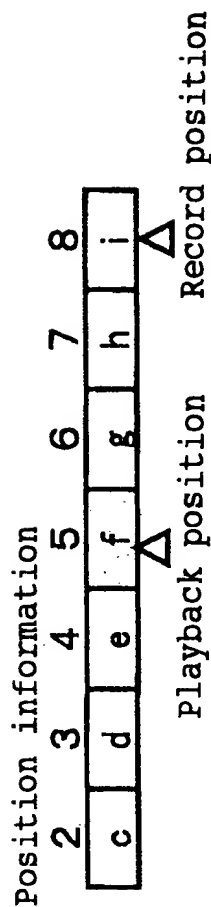
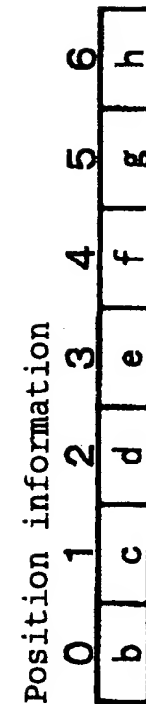
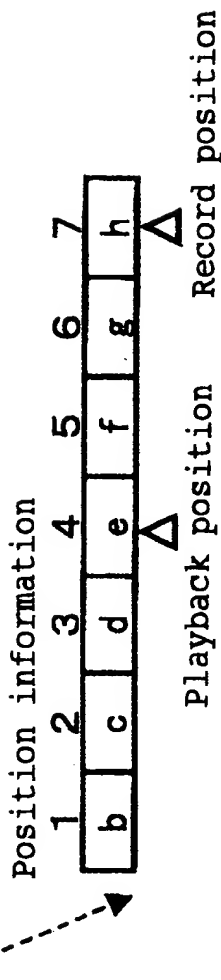
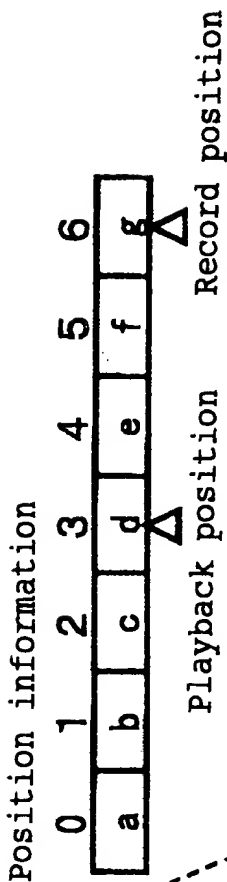
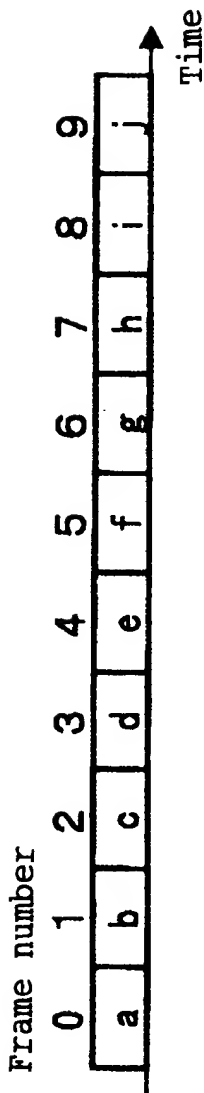


Fig. 15 (d)

AV file
T = 8 frames





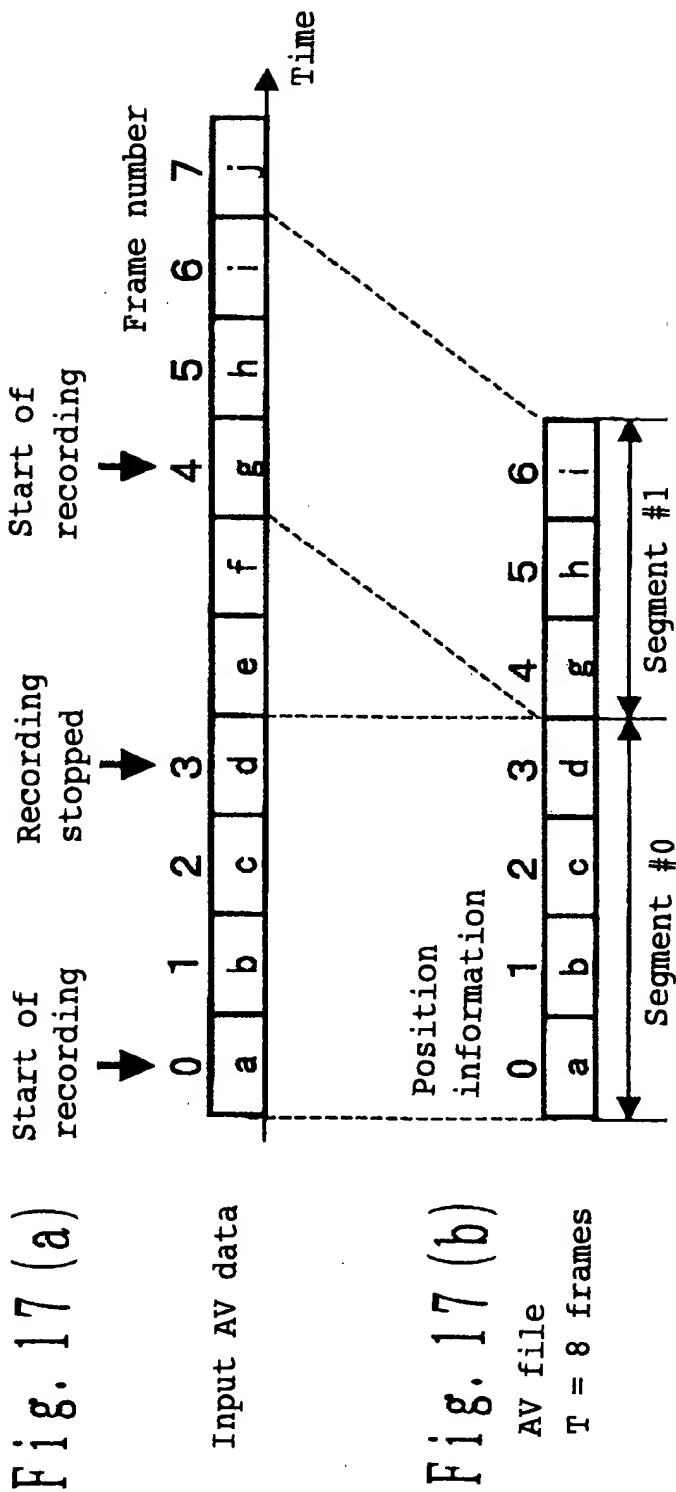


Fig. 17 (b)

AV file

T = 8 frames

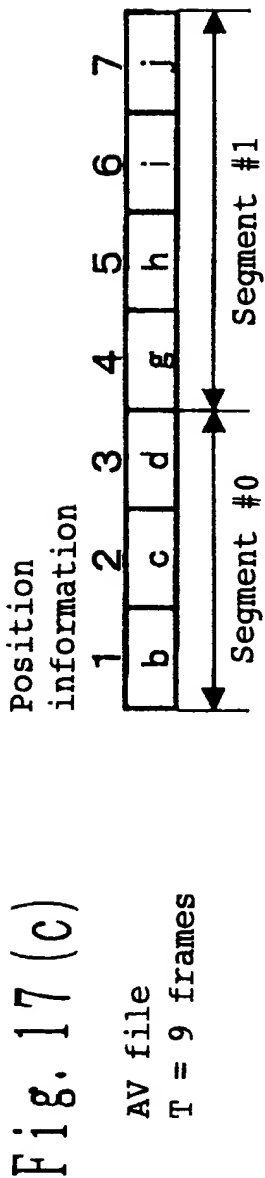
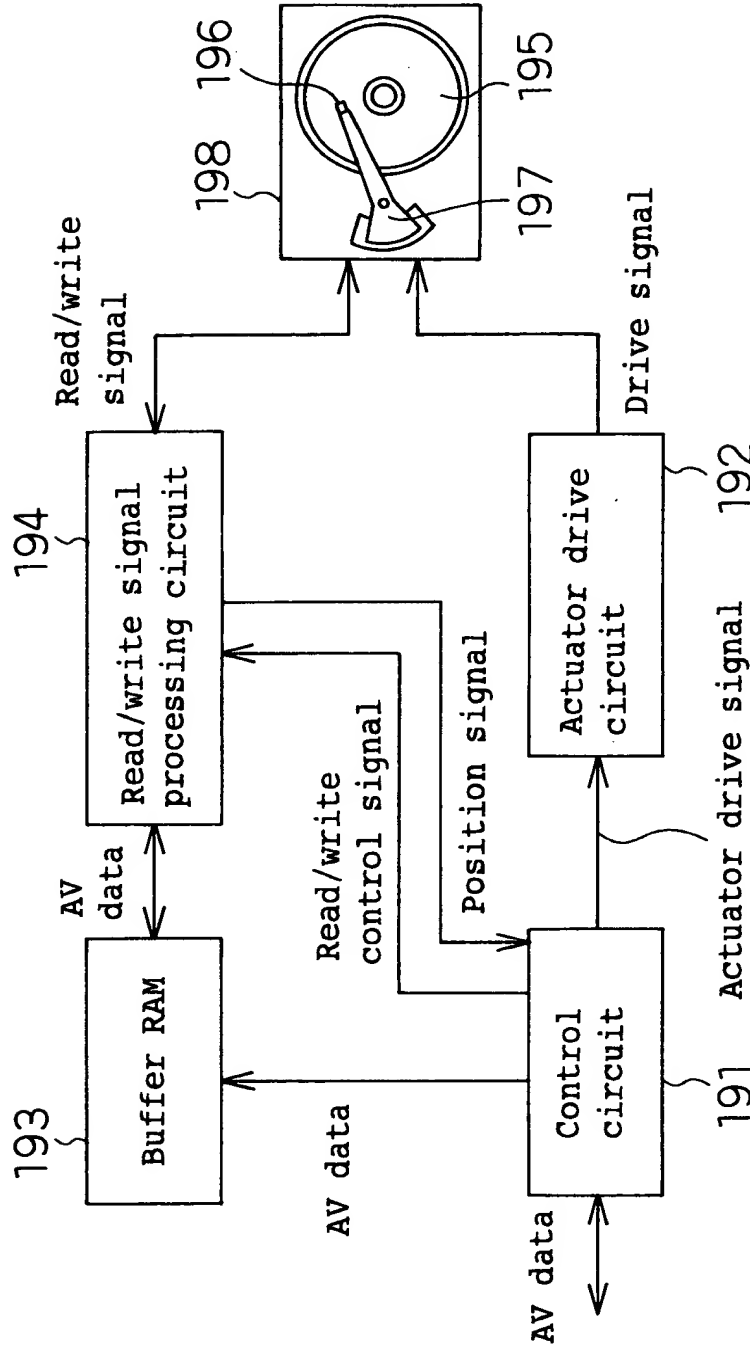


Fig. 18

181 AV file area management table

Field #0	Area start position address	182
Field #1	Area size	
Field #2	Number of segments (2)	
Field #3	Segment #0 start position address	
Field #4	Segment #0 size	183
Field #5	Segment #0 start position information	
Field #6	Segment #1 start position address	
Field #6	Segment #1 size	183
Field #6	Segment #1 start position information	

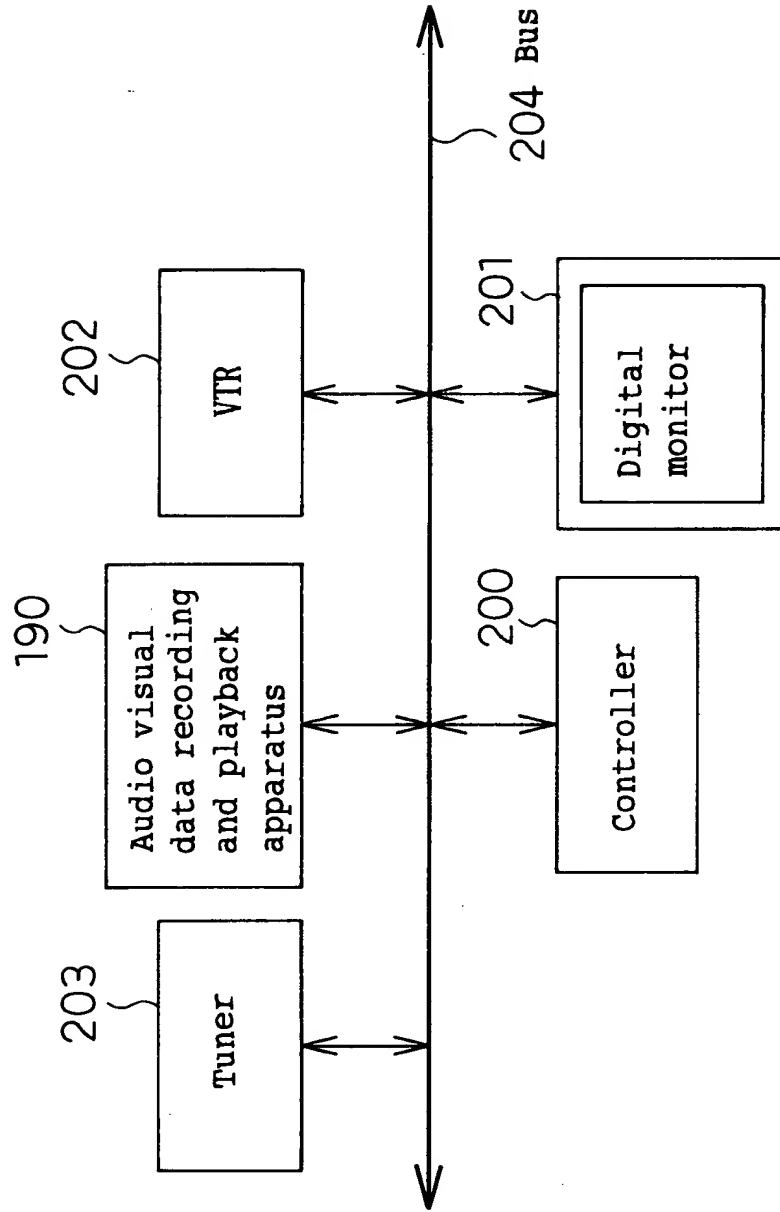
Fig. 19



190: Audio visual data recording and playback apparatus

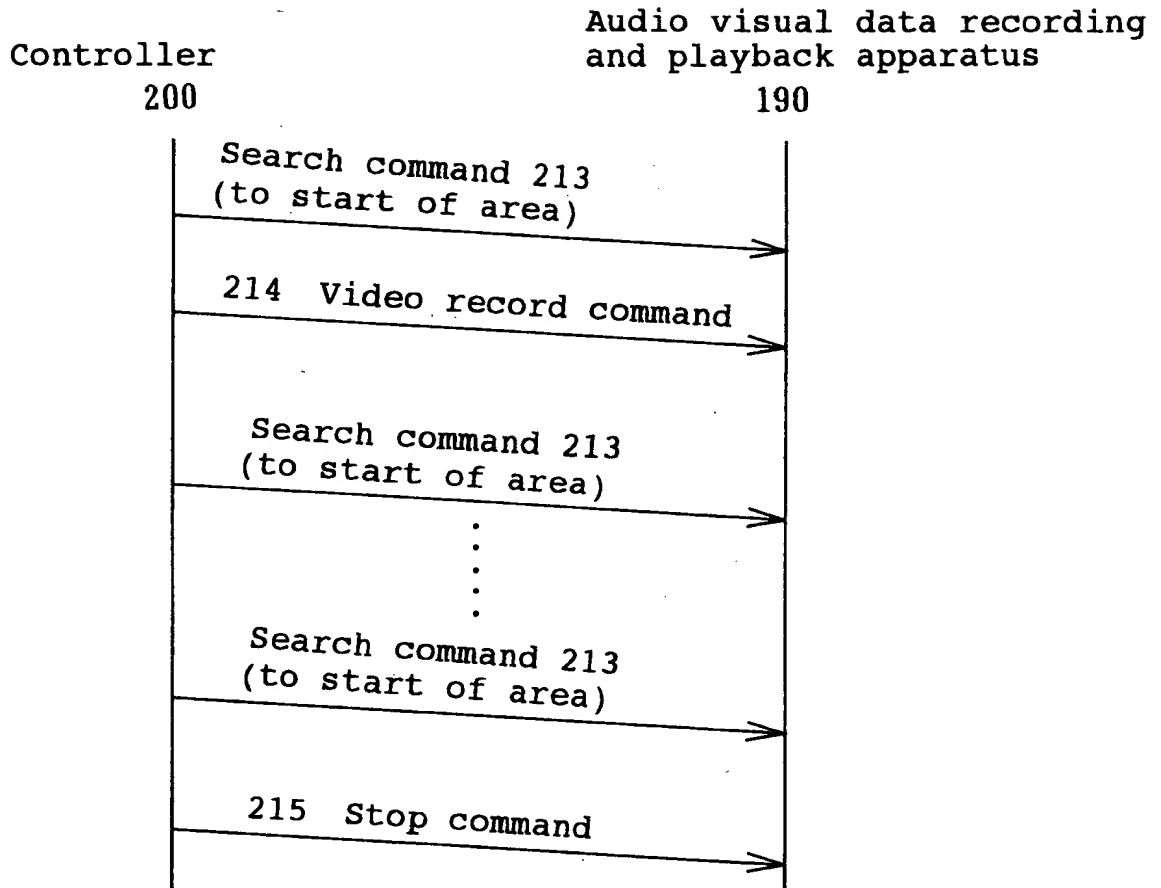
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Fig. 20



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Fig. 21



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Fig. 22 (a)
Input AV data

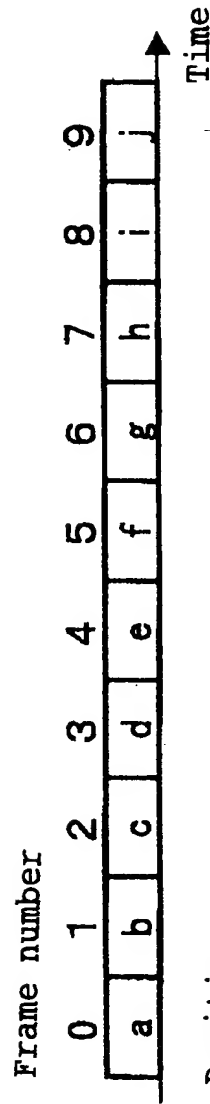


Fig. 22 (b)
AV file
T = 6 frames

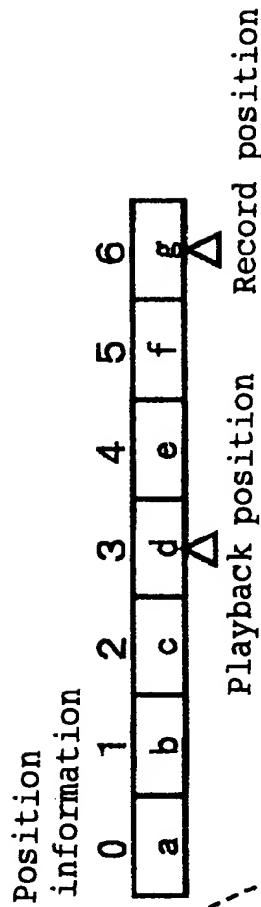


Fig. 22 (c)
AV file
T = 7 frames

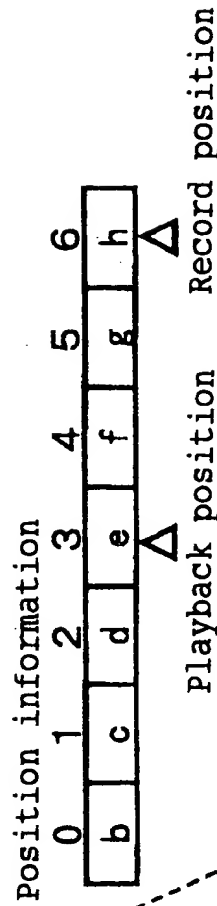


Fig. 22 (d)
AV file
T = 8 frames

